



COMMITTEE MEETING MINUTES

2018 Indiana Residential Code Committee

Indiana Government Center South
302 W. Washington Street
Indianapolis, Indiana 46204
Conference Room 29

Wednesday, October 17, 2018

1. The 2018 Indiana Residential Code Committee (Committee) meeting was called to order by Chairman Furnish at 9:02 a.m. on Wednesday, October 17, 2018.

(a) Committee Members present at the meeting were:

Mark Demerly (arrived at 9:17 a.m.)
Greg Furnish, Chairman
Phil Gettum
Randy Gulley
Joe Heinsman
Bill Kaufholz
Hank Kidwell
Lynn Madden
Michael Popich
Braden Prochnow
Craig Wagner

(b) Committee Members not present at the meeting:

(c) Departmental Staff present at the meeting:

Doug Boyle, FPBSC Director & IRCC Committee Secretary, IDHS
Justin Guedel, Staff Attorney, IDHS

2. Roll Call/Attendance

Chairman Furnish conducted roll call, and noted that ten voting members were present. Mark Demerly arrived a few minutes after the meeting started. As such, all voting members of the Committee were present, and the Committee achieved a full quorum. IDHS staff

Justin Guedel and Doug Boyle were present. Attendance was also taken by an attendance sheet. Three guests, John Cochran (Bose Public Affairs on behalf of Amos Exteriors), Lowell Weber (IABO/City of Greenwood), and Alan Manche (Schneider Electric), were also present and signed the attendance sheet.

3. Committee Action on Meeting Minutes from Wednesday, September 19, 2018

Chairman Furnish asked the Committee to take a few minutes to carefully review the meeting minutes from the Committee's Wednesday, September 19, 2018 meeting, and then called for any additions or amendments to the minutes. Craig Wagner advised that one amendment needed to be made regarding Proposal #233 in the minutes. The approved amendment to Proposal #233 is to only strike/delete the words "Inspection and," and capitalize the "t" in the word "testing" at the beginning of the first sentence of the provision to Section P2503.8. Hearing no other additions or amendments, a motion was made to approve the minutes with Craig Wagner's one amendment, followed by a second. It was voted upon and carried. IRCC Committee Secretary Doug Boyle advised that he would correct the minutes, and have the corrected minutes reposted online to the Committee's meeting materials webpage.

4. Review of Proposals for Code Change for Chapters 30-38 of the 2018 IRC

251. Section P3003.9.2 Solvent cementing. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

252. Section P3005.1.2 Heel- or side-inlet quarter bends, drainage. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

253. Section P3005.2.2 Building Sewers. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

254. Section P3005.2.4 Changes of direction. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

255. Section P3005.4 Drain pipe sizing. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

256. Section P3005.4 Building drain and sewer size and slope, and Table P3005.4.2 Maximum number of fixture units allowed to be connected to the building drain, building drain branches or the building sewer. [Craig Wagner]

- Motion to approve; seconded.
 - **APPROVED AS SUBMITTED.**
257. Section P3007.3.5 Ejector connection to the drainage system. [Craig Wagner]
- Motion to approve; seconded.
 - **APPROVED AS SUBMITTED.**
258. Section P3009 Subsurface Landscape Irrigation Systems. [Phil Gettum]
- **WITHDRAWN.**
259. Section P3010 Replacement of Underground Building Sewers and Building Drains by Pipe Bursting Methods. [Phil Gettum]
- **WITHDRAWN.**
260. Section P3011 Replacement of Underground Sewers By PVC Fold and Form Methods. [Phil Gettum]
- **WITHDRAWN.**
261. Section P3009 Subsurface Landscape Irrigation Systems, Section P3010 Replacement of Underground Building Sewers and Building Drains by Pipe Bursting Methods, and Section P3011 Replacement of Underground Sewers By PVC Fold and Form Methods. [Craig Wagner]
- Motion to approve; seconded.
 - **APPROVED AS SUBMITTED.**
262. Section P3101.1 General. [Craig Wagner]
- Motion to approve; seconded.
 - **APPROVED AS SUBMITTED.**
263. Section P3101.2.1 Venting required. [Craig Wagner]
- Fiscal impact was corrected to the following: \$10.00 credit per house × 10,000 homes = \$100,000.00 credit/savings from the 2018 IRC.
 - Motion to approve; seconded.
 - **APPROVED AS SUBMITTED WITH THE CORRECTION TO FISCAL IMPACT.**
264. Section P3101.4 Extension outside of a structure. [Phil Gettum]
- Proposal will have **zero/no fiscal impact.**
 - Motion to approve; seconded.
 - **APPROVED AS SUBMITTED.**
265. Section P3101.5 Flood resistance. [Phil Gettum]
- **WITHDRAWN.**
266. Section P3103.1.1 Roof Extension. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

267. Section P3103.2 Frost closure. [Phil Gettum]

- Proposal will have **zero/no fiscal impact.**
- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

268. Section P3105.1 Fixture vents. [Craig Wagner]

- Proposal will have **zero/no fiscal impact.**
- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

269. Table P3105.1 Maximum distance of fixture trap from vent. [Phil Gettum]

- **WITHDRAWN.**

270. Section P3114.3 Where permitted. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

271. Section P3201.2.1.1 Potable water-supplied trap seal primer. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

272. Table P3201.7 Size of Traps for Plumbing Fixtures. [Craig Wagner]

- Proposed Amendment(s): In the table, change the "Trap Size Minimum (inches)" requirement for "Clothes washer standpipe" from "2" to "1½^a or 2." Change the "Trap Size Minimum (inches)" requirement for "Dishwasher (on separate trap)" from "1½^a or 2" to "1½."
- Motion to approve as amended; seconded.
- **APPROVED AS AMENDED.**

273. Section E3401.2 Scope. [Craig Wagner]

- Proposed Amendment(s): Change "33" to "34" where it reads "Chapters 1 and 33 through 43..." at the beginning of the first sentence in the provision.
- Motion to approve as amended; seconded.
- **APPROVED AMENDED.**

274. Section E3401.2 Scope. [Charlie Eldridge]

- Motion to deny; seconded.
- **DENIED.**

275. Section E3401.3 Not covered. [Craig Wagner]

- Motion to approve; seconded.

- **APPROVED AS SUBMITTED.**

276. Section E3401.3 Not covered. [Charlie Eldridge]

- Motion to deny; seconded.
- **DENIED.**

277. Section E3403.2 Inspection required. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

278. Section E3403.2 Inspection required. [Craig Wagner]

- **WITHDRAWN.**

279. Section E3403.2 Inspection required. [Charlie Eldridge]

- Motion to deny; seconded.
- **DENIED.**

280. Section E3403.2 Inspection required. [Bill Kaufholz]

- **WITHDRAWN.**

281. Section E3405.2 Working clearances for energized equipment and panelboards.
[Charlie Eldridge]

- Proposal will have **zero/no fiscal impact.**
- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

282. Section E3501 Electrical definitions. [Charlie Eldridge]

- Motion to table; seconded.
- **TABLED.**

283. Section E3601.2 Number of services. [Charlie Eldridge]

- Motion to table; seconded.
- **TABLED.**

284. Section E3601.6.2 Service disconnect location. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

285. Section E3601.6.2 Service disconnect location. [Charlie Eldridge]

- Motion to deny; seconded.
- **DENIED.**

286. Section E3604.2.1 Above roofs. [Craig Wagner]

- Motion to approve; seconded.

- **APPROVED AS SUBMITTED.**

287. Section E3604.2.1 Above roofs. [Charlie Eldridge]

- Motion to deny; seconded.
- **DENIED.**

288. Section E3606.3 Available short-circuit current. [Charlie Eldridge]

- Motion to table; seconded.
- **TABLED.**

289. Section E3608.1.2 Concrete-encased electrode. [Charlie Eldridge]

- Motion to table; seconded.
- **TABLED.**

290. Section E3608.7 Pool, spa and hot tub structures and structural reinforcing steel. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

291. Section E3609.6 Metal water piping bonding. [Charlie Eldridge]

- Proposal will have **zero/no fiscal impact.**
- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

292. Section E3609.7 Bonding other metal piping. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

293. Section E3609.7 Bonding other metal piping. [Charlie Eldridge]

- Motion to deny; seconded.
- **DENIED.**

294. Section E3702.9.1 Minimum branch circuit for ranges. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

295. Section E3702.9 Branch-circuit load for ranges and cooking appliances. [Charlie Eldridge]

- Motion to deny; seconded.
- **DENIED.**

296. Section E3702.12 Branch circuits serving room air conditioners. [Charlie Eldridge]

- Proposed Amendment(s): The proposed amendment to Section E3702.12 is to “change the section to read as follows...,” not “delete the section without substitution.”
- Proposal will have **zero/no fiscal impact**.
- Motion to approve as amended; seconded.
- **APPROVED AS AMENDED.**

297. Section E3702.12.1 Where no other loads are supplied. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

298. Section E3702.12.1 Where no other loads are supplied. [Charlie Eldridge]

- Motion to deny; seconded.
- **DENIED.**

299. Section E3702.12.2 Where lighting units or other appliances are also supplied. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

300. Section E3702.12.2 Where lighting units or other appliances are also supplied. [Charlie Eldridge]

- Motion to deny; seconded.
- **DENIED.**

301. Section E3704.4 Lighting and general use receptacle load. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

302. Section E3705.3 Adjustment factor for conductor proximity. [Charlie Eldridge]

- Proposed Amendment(s): Amend the additional exception 5.3 to read as follows: “5.3 Where surrounded by thermal insulation, Table E3705.3 shall be followed.”
- Proposal will have **zero/no fiscal impact**.
- Motion to approve as amended; seconded.
- **APPROVED AS AMENDED.**

303. Table E3801.4 Allowable Applications for Wiring Methods. [Craig Wagner]

- **WITHDRAWN.**

304. Table E3801.4 Allowable Applications for Wiring Methods. [Charlie Eldridge]

- Proposal will have **zero/no fiscal impact**.
- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

305. Table E3802.1 General Installation and Support Requirements for Wiring Methods.
[Charlie Eldridge]

- Proposal will have **zero/no fiscal impact.**
- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

306. Section E3802.4 In unfinished basements and crawl spaces. [Charlie Eldridge]

- Motion to deny; seconded.
- **DENIED.**

5. Review of Proposals for Code Change for Chapters 1-29 of the 2018 IRC

307. Section R905.1.2 Ice barriers. [John Cochran]

- Motion to approve; seconded.
- **MOTION TO APPROVE FAILED FOR LACK OF MAJORITY VOTE.**
- Motion to table; seconded.
- **TABLED.**

308. Table N1105.5.2(1) Specifications for the Standard Reference and Proposed Designs.
[Bill Kaufholz]

- Proposal will have **zero/no fiscal impact.**
- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

309. Section M1307.3.1 Protection from impact. [Randy Gulley]

- Fiscal impact of the proposal is amended as follows: Estimated five (5) percent of new homes where the building appliances are located within the vehicle travel path and need protection. 730 new homes × \$80.00 (average price of protection) = \$58,400.00 in fiscal impact.
- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

310. Section G2411.2.1 Point of connection. [Craig Wagner]

- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

311. Section P2903.5 Water hammer. [Bill Kaufholz]

- **WITHDRAWN.**

312. Section P2903.9.1 Service valve. [Bill Kaufholz]

- Proposal will have **zero/no fiscal impact.**
- Motion to approve; seconded.
- **APPROVED AS SUBMITTED.**

6. Break

The Committee recessed for short break at 10:25 a.m., and reconvened at 10:41 a.m.

7. Plan Forward/Further Committee Discussion on the 2018 IRC/Next Meeting

Chairman Furnish advised the Committee that next month's meeting will be on Tuesday, November 20, 2018, starting at 9:00 a.m. in Conference Room 2 of Indiana Government Center South. Chairman Furnish also advised that the committee will review new proposals for code change to the remaining chapters of the 2018 IRC (Chapters 39 through the Appendices of the 2018 IRC), and review any resubmitted tabled proposals or new proposals to Chapters 1 through 38 of the 2018 IRC. Proposals for code change will be due to Doug Boyle by end of business on Tuesday, November 13, 2018.

Lynn Madden asked if there was a way to get a list of all the proposals for code change that had been tabled at each of the Committee's meetings, in order to ensure that the Committee would not miss any proposals for code change that were tabled and needed to be resubmitted to the Committee. After discussion, Mark Demerly volunteered to review the Committee's minutes, and advised that he would put together a document listing all of the proposals for code change that had been tabled by the Committee since its first meeting on May 16, 2018. Mark also advised that he will submit this list to Doug Boyle in advance of the next meeting on Tuesday, November 20, 2018, and Doug Boyle will subsequently send this list to the rest of the Committee.

Bill Kaufholz asked if anyone has been keeping a running total of the fiscal impact that the Committee has calculated on the submitted and approved proposals for code change so far. Doug Boyle advised that he and departmental staff had not had the opportunity to make those calculations, and they were still looking into the prospect of finding an outside party to assist with calculating the projected total fiscal impact of updating the 2005 Indiana Residential Code to the new code. Mark Demerly advised that he would create a running tabulation of the total fiscal impact that has been calculated and documented by the Committee in the approved proposals for code change.

8. Adjournment

A motion was made to adjourn the meeting, followed by a second. Chairman Furnish adjourned the meeting at 11:47 a.m.